

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

*****SAFE ROUTES TO SCHOOL*****

County: Douglas
P. I. Number: 0009450
Federal Route Number: N/A
State Route Number: N/A

Chapel Hill Elementary School - SRTS

Submitted for approval: (Submit to "Concept Reports" in Outlook)

DATE 12/16/10

Sean Johnston, Kimley-Horn and Associates, Inc.
Design Consultant Name and Firm Name

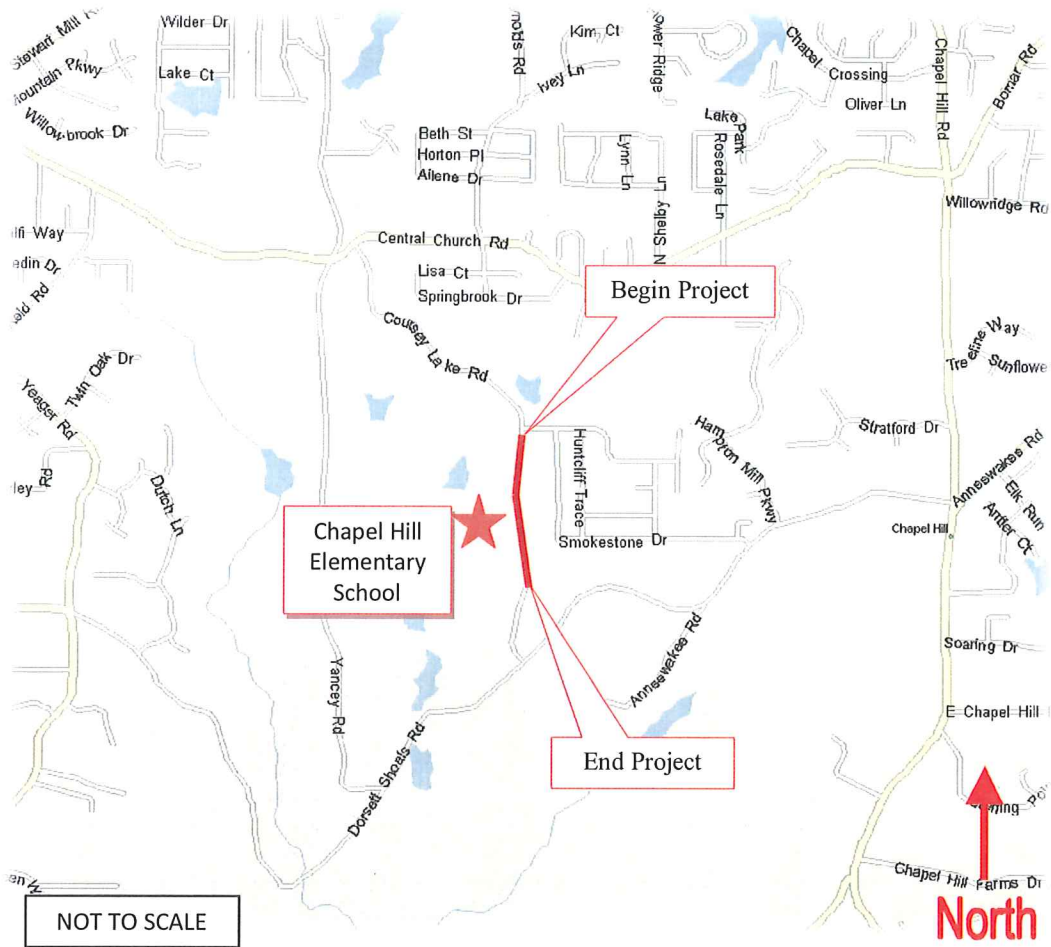
DATE 12/21/2010

EBH
Project Manager

Approvals:

Concur: Kathleen Gabriel Date: 12.27-10
State Traffic Engineer

Approve: David S. Smith Date: 1-5-11
Director of Permits and Operations



Legend:



School Location



Project Limits

Project Location Map

Project Number: N/A
 P.I. Number: 0009450
 Fulton County, GA

Chapel Hill Elementary School
 Safe Routes to School

Source: Microsoft Streets & Trips 2006

Need and Purpose:

This project is a Safe Routes to School (SRTS) infrastructure project that will improve pedestrian and bicycling accessibility for students within a two-mile radius of Chapel Hill Elementary School in Douglas County. The school is located on Coursey Lake Road between the intersections with Planters Walk to the north and Willmington Drive to the south.

The SRTS infrastructure program administered by the Federal Highway Administration is intended to promote walking and bicycling by students living within a two-mile radius of a school. The desired outcomes of the SRTS infrastructure program include increased health and fitness for students, as well as safety and environmental benefits for the community at large.

Over 120 students that attend Chapel Hill Elementary School live within one mile of the school, and over 360 students live within two miles. The school has an enrollment of approximately 800 students. Coursey Lake Road is a two-lane road and has a posted speed limit of 35 miles per hour (mph), except within the school zone, which is posted at 25 mph during school pick-up and drop-off times. Low-density residential land use is adjacent to Chapel Hill Elementary School.

Coursey Lake Road is a two-lane local street with graded shoulders, open drainage ditches and no sidewalks on either side of the road. There are also no clearly marked and signed locations for pedestrians to cross the road near the school site. On the school property, there are no sidewalks connecting the school to Coursey Lake Road. The existing nearby subdivisions, The Plantation at Dorsett Shoals and Knollview at Coursey Lakes, have sidewalks throughout the neighborhoods, but there is currently no pedestrian connectivity between the neighborhoods and the school.

The project will improve accessibility for children walking and biking to Chapel Hill Elementary School through the installation of sidewalks on the east side of Coursey Lake Road from Planters Walk (The Plantation at Dorsett Shoals) to Willmington Drive (Knollview at Coursey Lake). These sidewalks will be 6-feet to 8-feet wide to allow children under the age of 12 the option of walking or bicycling to school. Georgia code states that local jurisdictions such as Douglas County may allow operation of bicycles on sidewalks by persons less than 12 years of age through local ordinance. A sidewalk will be installed on school property to connect from the high visibility crosswalk to the school entry. A bicycle rack will be installed near the school entry for students' use. Parking for 40 bicycles will be provided by installation of 20 inverted-U style bicycle racks on a concrete pad.

The project will also provide a crosswalk at the southern school entrance with high-visibility striping, advance warning signage, and ADA-compliant curb ramps. With traffic volumes of approximately 2000 Average Daily Traffic (ADT) and a posted speed of 35mph on a two-lane facility, this location is considered a candidate site for a marked crosswalk based on FHWA research on the safety effects of marked vs. unmarked crosswalks at uncontrolled locations. Douglas County has reported that over 50 percent of motorists exceed the 35mph posted speed limit, therefore the crosswalk will be supplemented by installation of pedestrian-actuated Rectangular Rapid Flashing Beacons (RRFBs) to alert motorists to the crossing. A raised island

will also be installed to channelize southbound right-turning traffic and provide additional pedestrian refuge at the driveway.

Other Projects in the Area:

- Intersection Improvement of Central Church Road at Yancey Road/Coursey Lake Road Realignment (STP00-9398-00(002))

Description of the proposed project:

This project involves installation of a sidewalk along Coursey Lake Road from Planters Walk to Wilmington Drive to connect two residential subdivisions to Chapel Hill Elementary School in Douglas County. A sidewalk will also be constructed along the southern school driveway to provide access to the school from Coursey Lake Road. A 6-foot coated chain link fence will be constructed along the sidewalk on school property to provide separation from buses using the driveway, and inverted-U style bicycle racks with capacity for up to 40 bikes will be installed at the sidewalk terminus adjacent to the school building.

This project will also install guardrail aligned with the face of curb along narrow portions of the proposed sidewalk on Coursey Lake Road. Safety hand railing will be installed at the back of sidewalk in areas where vertical drops are located less than 4 feet from the back of sidewalk that exceed 2:1 slope and 30 inches in height. A crosswalk with high-visibility markings and pedestrian actuated Rectangular Rapid Flashing Beacons (RRFBs) will be installed across Coursey Lake Road at the southern school driveway, and additional fluorescent yellow-green school zone signage with flashers and speed indication signs will also be installed. A raised, six-inch concrete island, will be installed to channelize southbound right-turning traffic and provide additional pedestrian refuge at the driveway. A crosswalk with high-visibility markings and ADA-compliant curb ramps will be installed across Wilmington Drive at Coursey Lake Road, and the radius in the north east quadrant of the intersection will be modified to shorten the pedestrian crossing.

Minor sections of concrete gravity wall with safety hand railing will also be installed along the east side of Coursey Lake Road where required to avoid right-of-way impacts.

See attachment #4 for project concept layout.

Is the project located in a PM 2.5 Non-attainment area? X Yes No

Is this project located in an Ozone Non-attainment area? X Yes No

The project is intended to improve bicycle and pedestrian mobility and will not affect roadway capacity. The project is not required to be included in the conforming plan's model.

PDP Classification: Major (), Minor (X)

Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Urban Local Street

U. S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (ADT):

Base Year (2010): 1,955

Design Year (2015): 2,160

Existing design features:

- Existing Typical Section along Coursey Lake Road: One 11' travel lane in each direction, 8'-10' rural grassed shoulders with variable depth (2'-3') ditches
- Posted Speed
 - Coursey Lake Road: 35 mph
- Width of Right-of-Way

In order to be eligible for Safe Routes to School funding, the local government has demonstrated that adequate existing right-of-way is available to construct the proposed project.

 - Coursey Lake Road: 60 feet
- Major Structures: None
- Major Interchanges or Intersections along the Project: N/A

Proposed Design Features:

- Proposed Typical Section along Coursey Lake Road: One 11' travel lane in each direction, rural shoulder with ditches (southbound side), urban shoulder with 30" curb and gutter and a 6' wide minimum (8' preferred) sidewalk
- Proposed Design Speed: 35 mph
- Proposed Sidewalk Cross Slope: 2%
- Proposed Crosswalk Width: 8 feet
- Right of way
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: N/A
 - Number of parcels: 0
 - Number of displacements:
 - Business: None
 - Residences: None
 - Mobile homes: None
 - Other: None
- Structures: N/A
- Major Interchanges or Intersections along the Project: None
- Traffic control during construction: No lane closures are anticipated along Coursey Lake Road.

- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)
LATERAL OFFSET TO OBSTRUCTION:	()	()	(X)

- Design Variances: None Anticipated
- Environmental concerns: None Anticipated
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion: Anticipated
 - Environmental Assessment/Finding of No Significant Impact(FONSI): ()
 - Environmental Impact Statement (EIS) ().
- Utility involvements:
 - Utility facilities located within the project limits include:
 - Gas (Atlanta Gas Light)
 - Power (Georgia Power)
 - Water (Douglas County)
 - Telecommunications (AT&T, Comcast, Verizon)

VE Study Required: Yes () No (X)

Benefit/Cost Ratio: N/A.

Project Cost Estimate and Funding Responsibilities:

	PE	ROW	UTILITY	CST*	MITIGATION
By Whom	GDOT	N/A	N/A	GDOT	N/A
\$ Amount	\$65,000.00	N/A	N/A	\$477,232.64	N/A

*CST Cost includes: Construction, and Engineering and Inspection.

Project Activities Responsibilities:

- Design: Consultant/GDOT
- Right-of-Way Acquisition: N/A
- Right-of-Way funding (real property): N/A
- Relocation of Utilities: GDOT/Affected Utility Owners
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor
- Providing detours: N/A
- Environmental Studies/Documents/Permits: Consultant/GDOT
- Environmental Mitigation: GDOT

Coordination

- Concept Meeting date and brief summary: 05/18/2010 - Minutes Attached
- P. A. R. meetings, dates and results: None Required
- FEMA, USCG, and/or TVA: N/A
- Public involvement: N/A
- Local government comments: N/A
- Other projects in the area:
 - Intersection Improvement of Central Church Road at Yancey Road/Coursey Lake Road Realignment (STP00-9398-00(002))
- Other coordination to date: N/A

Scheduling – Responsible Parties' Estimate

	Anticipated Time Frame	
• Time to complete the environmental process:	Begin: 4/10	End: 3/11
• Time to complete preliminary construction plans:	Begin: 10/10	End: 5/11
• Time to complete right-of-way plans:	Begin: n/a	End: n/a
• Time to complete the Section 404 Permit:	Begin: n/a	End: n/a
• Time to complete final construction plans:	Begin: 5/11	End: 8/11
• Time to complete the purchase of right-of-way:	Begin: n/a	End: n/a
• List other major items that will affect the project schedule:	Begin: n/a	End: n/a

Alternates considered: (1) Install sidewalks along the east side of Coursey Lake Road from Planters Walk to Wilmington Drive in order to connect two residential subdivisions to Chapel Hill Elementary School in Douglas County. A high visibility crosswalk with pedestrian-actuated Rectangular Rapid Flashing Beacons will be installed at the southern school driveway. A sidewalk will also be constructed along the southern school driveway to provide access to the school from Coursey Lake Road. A fence will be constructed along the sidewalk on school property to provide separation from buses using the driveway, and bicycle racks will be installed at the sidewalk terminus adjacent to the school building.

(2) Install improvements as described in Alternative 1, in addition to a marked crosswalk at the northern school driveway as well as the southern school driveway.

(3) Install sidewalks along the west side of Coursey Lake Road from Planters Walk to Wilmington Drive in order to connect two residential subdivisions to Chapel Hill Elementary School in Douglas County. A high visibility crosswalk with pedestrian-actuated Rectangular Rapid Flashing Beacons will be installed each of the neighborhood intersections to provide crossing for children to get to the west side of Coursey Lake Road. A sidewalk will also be constructed along the southern school driveway to provide access to the school from Coursey Lake Road. A fence will be constructed along the sidewalk on school property to provide separation from buses using the driveway, and bicycle racks will be installed at the sidewalk terminus adjacent to the school building.

(4) No Build.

Comments:

Comparison Summary of Alternates 1-4

Alternate (1) is recommended for this concept.

Alternate (2) is not recommended for this concept. A crosswalk at this location is located near the crest of a vertical curve that would create sight-distance issues for school children crossing the road. Children that would potentially cross at this location would be forced to cross another vehicle driveway on school property. Also, a crossing at this location would create multiple crossings on Coursey Lake Road, and it is preferred to consolidate crossings of Coursey Lake Road to one location.

Alternate (3) is not recommended for this concept because this alternate would require two crossings of Coursey Lake Road. Two crosswalks would create more exposure of schoolchildren crossing the road, while consolidating crossings to one location at the southern school driveway would provide a more uniform crossing.

Alternate (4) is not recommended for this concept. The no-build alternate would not promote safe walking and bicycling for children attending Chapel Hill Elementary School, as stated in the project need and purpose.

Attachments:

1. Construction Cost Estimate
2. Concept Team Meeting Minutes (05/18/2010)
3. Concept Layout
4. Typical Sections

JOB ESTIMATE REPORT

JOB NUMBER : 0009450_SPJ SPEC YEAR: 01
DESCRIPTION: CHAPEL HILL ELEMENTARY SCHOOL SRCS

COST GROUPS FOR JOB 0009450_SPJ

COST GROUP	DESCRIPTION	ALT	UNITS	QUANTITY	PRICE	AMOUNT	ACTIVE?
ERTHLS	EARTHWORK (LS)						Y
GDRL	GUARDRAIL/BARRIER (LF)						Y
EROC	EROSION CONTROL (SY)						Y
DRNGLE	DRAINAGE (LF)						Y
THSL	THERMO PLASTIC LINEAR PAVEMENT MARKING						Y
CONC	CONCRETE (SY)						Y
CURB	CURB & GUTTER (LF)						Y
TRFT	TRAFFIC CONTROL-TEMPORARY (LS)						Y
DRNGEA	DRAINAGE (EA)						Y
FENC	FENCES (LF)						Y
RMVL	REMOVALS (LS)						Y
XPWK	ORSOLETE PAVEMENT MARKING						Y
SSGN	SMALL ROADSIDE SIGNS						Y
STRO	STRUCTURES, OTHER (SF)						Y
NONR	NON-ROADWAY (LS)						Y
ACTIVE COST GROUP TOTAL							0.00
INFLATED COST GROUP TOTAL							0.00

ITEMS FOR JOB 0009450_SPJ

LINE ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0004	001-1999	*S*	CONSTRUCTION ENGR INSPECTION 53	1.000	22725.36	22725.36
0005	441-6222	LF	CONC CURE & GUTTER/ 8"X30"TP2	2156.000	27.00	58212.00
0010	163-0232	AC	TEMPORARY GRASSING	1.000	800.00	800.00
0015	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	1320.000	2.00	2640.00
0020	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	2640.000	4.00	10560.00
0025	700-6910	AC	PERMANENT GRASSING	1.000	1235.00	1235.00
0030	441-0104	SY	CONC SIDEWALK, 4 IN	1780.000	45.00	80100.00
0035	441-0748	SY	CONC MEDIAN, 6 IN	41.000	77.00	3157.00
0040	550-1180	LF	STM DR PIPE 18", H 1-10	750.000	43.00	32250.00
0045	210-0100	LS	GRADING COMPLETE - 0009450	1.000	20000.00	20000.00
0048	500-3101	CY	CLASS A CONCRETE	90.000	502.72	45245.14
0049	515-2020	LF	GALV STEEL PIPE HDRAIL, 2", ROUND	487.000	47.27	23021.38
0050	641-1100	LF	GUARDRAIL, TP T	1185.000	50.00	59250.00
0055	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	2.000	648.00	1296.02
0060	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	2.000	2000.00	4000.00
0065	653-1804	LF	THERM SOLID TRAF STRIPE, 8", WH	320.000	2.00	640.00
0070	150-1000	LS	TRAFFIC CONTROL - 0009450	1.000	10000.00	10000.00
0075	668-1100	EA	CATCH BASIN, GP 1	5.000	2900.00	14500.00
0080	643-2152	LF	CH FEN.W/X ARM/WIRE, 2C, 6', 9GA	376.000	17.00	6392.00
0085	610-0355	LF	REM CONC CURB & GUTTER ALL SZ	13.000	11.00	143.00
0090	610-4170	CY	REM ASPH PVT, INCL BASE	75.000	50.00	3750.00
0095	653-1704	LF	THERM SOLID TRAF STRIPE, 24", WH	23.000	5.00	115.00

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

0100	636-1033	SE	HWY SIGNS, TP1MAT,REFL SH TP 9	24.000	21.91	525.92
0105	636-2070	LF	GALV STEEL POSTS, TP 7	24.000	10.16	243.92
0110	500-3201	CY	CL B CONC, RET WALL	120.000	533.42	64010.80
0115	754-6000	EA	BICYCLE RACK	2.000	975.00	1950.00
0120	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1 (RRFB'S)	1.000	10000.00	10000.00
0125	550-1240	LF	STM DR PIPE 24",H 1-10	10.000	47.01	470.10
ITEM TOTAL					477232.63	
INFLATED ITEM TOTAL					477232.63	

TOTALS FOR JOB 0009450_SPT

ESTIMATED COST:	477232.64
CONTINGENCY PERCENT (0.0) :	0.00
ESTIMATED TOTAL:	477232.64

MEETING MINUTES

Date: May 18, 2010
Project: Safe Routes to School Infrastructure Projects
GDOT Project No.: PI 0009450
County: Douglas
Subject: Concept Team Meeting

Attendees:

Charity Belford	Georgia Department of Transportation (GDOT)
Emmanuella Myrthil	GDOT
Gary Westmoreland	Douglas County Department of Transportation (DCDOT)
Keary Lord	DCDOT
Randy Hulsey	DCDOT
Kirk Nicholson	Douglas County Schools
Yvonne Kidney	Douglas County Schools
Alicia Hatcher	GDOT Safe Routes to School Resource Center
Sarah Knight	GDOT Safe Routes to School Resource Center
Stuart Day	Kimley-Horn and Associates (KHA)
Sean Johnston	KHA
John Cock	Alta Planning + Design (Alta)

This Safe Routes to School concept team meeting was held on Tuesday, May 18, 2010 at Chapel Hill Elementary School and in the vicinity of the school in Douglasville, Georgia to discuss the sponsor's application and concepts for proposed infrastructure improvements in the vicinity of the school. The proposed project consists of sidewalk and intersection modifications to improve conditions for children walking and bicycling to school.

The meeting began with a group discussion at the school, which included the following key items:

- KHA gave an overview of plan development process milestones, which include concept development (i.e. 30% design), environmental documentation, construction drawing preparation (including a Final Field Plan Review at 90% design), and letting to construction. It is GDOT and KHA's goal to complete this process within two years, with six to nine months expected for construction. This is an expedited timeframe for a process that could normally take three to six years.
- KHA gave an overview of the design teams' understanding of the project. The scope entails constructing sidewalks along the east side Coursey Lake Road from the Knollview subdivision (Willmington Drive) to the Plantation subdivision (Planters Walk), a crossing at the southern most school entrance, and a path from Coursey Lake Road to the school. Following the path on school property, a chain-link fence will be installed to keep children separated from internal traffic. A bicycle rack will be installed near the school along the path.
- Douglas County representatives informed KHA that the goal was for the sidewalk to be as wide as possible, in order to accommodate bicycle use by children under 12 years old.

- Another goal was to provide separation between the children walking to school and vehicle traffic. T-beam guardrail was included in the sponsor's application and cost estimate, but other alternatives, such as a low berm or low plantings, were discussed in order to reduce costs. One critical area to have guardrail is at the northern school entrance driveway, to discourage children from crossing at this location.
- The proposed crosswalk will be mitigated with signage and pedestrian activated beacons.
- Douglas County intends to coordinate with Georgia Power to install luminaries on existing utility poles after the SRTS infrastructure project is constructed.

The group then performed a site walk along the proposed project limits. Multiple options for improvements within the project limits were discussed. This discussion resulted in the following recommendations:

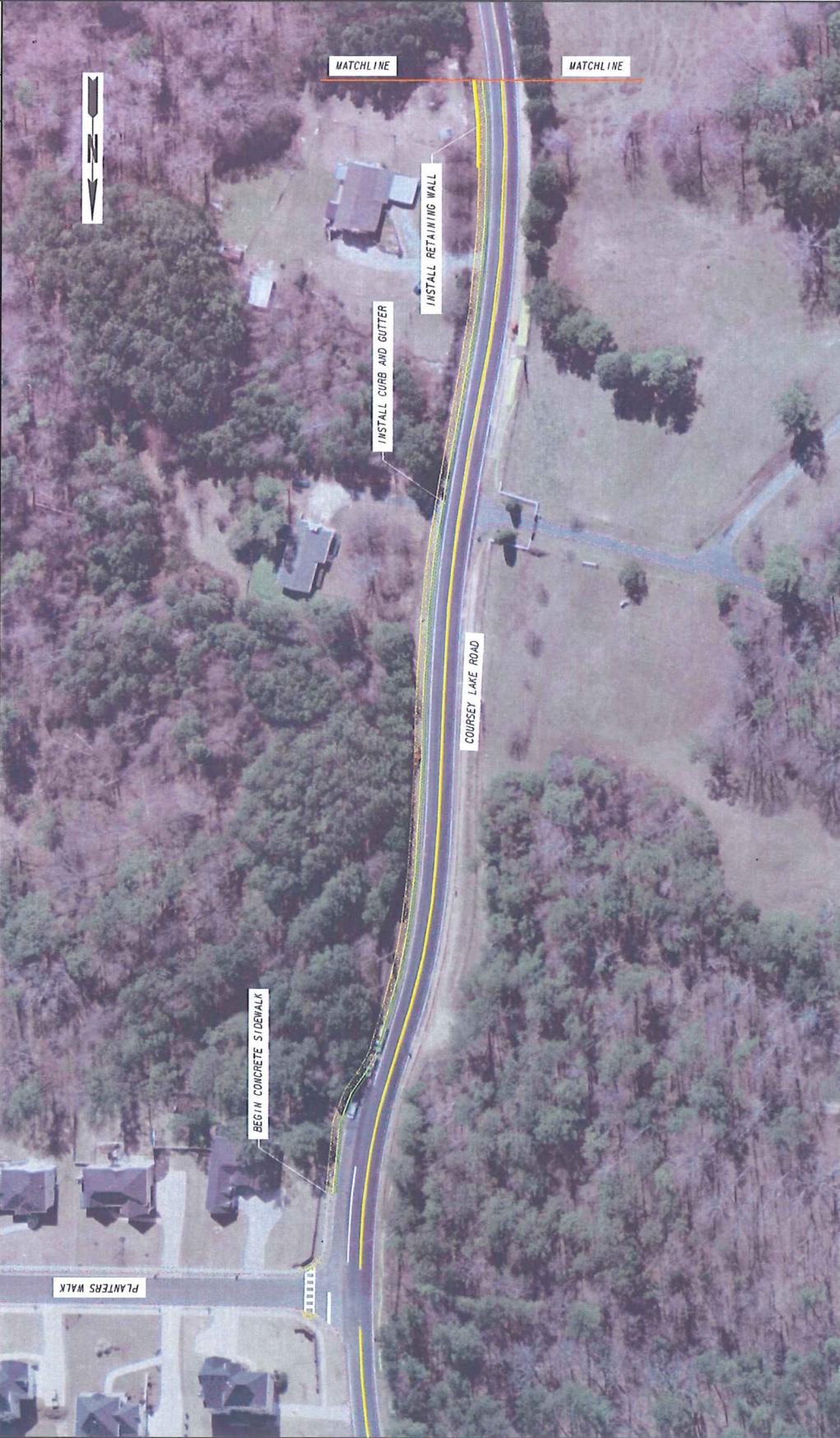
- It was suggested to consider covered bike racks near the school building to shield bikes from the elements.
- The path along the school property should follow the shortest route that meets ADA guidelines.
 - If ADA grades are not met, switchbacks will be provided.
- It was suggested to consider replacing the striped right-turn channelization island at the southern school driveway with a raised island in order to reduce crossing distances and provide refuge for pedestrians.
- Willmington Drive at Coursey Lake Road
 - The curb and gutter along the north side of Willmington Drive will be revised to tie to the proposed curb and gutter along Coursey Lake Road.
 - The curb ramps at Willmington Drive will be improved as part of this project.
 - The stop bar for Willmington Drive will be restriped in the current location, with a crosswalk provided one passenger car length behind the stop bar to provide for pedestrian crossings while maintain sight distance for vehicles exiting the subdivision.
- Planters Walk
 - The stop bar for Planters will be restriped in the current location, with a crosswalk provided one passenger car length behind the stop bar to provide for pedestrian crossings while maintain sight distance for vehicles exiting the subdivision.
- Retaining walls and storm drainage will be required at various locations. Specific locations will be determined during the plan development process.

Other programmatic items were discussed to supplement the SRTS infrastructure improvements. These include:

- Training of a crossing guard for use at the proposed crosswalk location.
- Verification of a local statute or ordinance that allows for children under 12 years old to ride bicycles on the sidewalk.
- Neighborhood walking/biking school buses, led by parent or PTO representatives
- Future connections between subdivisions that are currently divided by cul-de-sacs.

These minutes contain the understanding of KHA and Alta representatives regarding discussions, decisions, action items, etc. at the meeting.

DATE 1/2/2007	DRAWN BY MUSENA	TICKETS 10009	SHEET NO. 10009	PROJECT NUMBER 55505-0009-001 (450)	STATE GA	SHEET NO. 10009	TOTAL SHEETS 10009



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS PERMANENT EASEMENT FOR CONSTR & MAINTENANCE OF DRAINAGE STRUCTURES TEMPORARY EASEMENT FOR CONSTR TEMPORARY EASEMENT FOR CONSTR OF DRIVES	SCALE IN FEET 0 40 80 160	REVISION DATES <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>																																																																	GEORGIA DEPARTMENT OF TRANSPORTATION CONCEPT LAYOUT DOUGLAS COUNTY SAFE ROUTES TO SCHOOL	DRAWING NO. 10009



REVISION DATES

GEORGIA DEPARTMENT OF TRANSPORTATION

CONCEPT LAYOUT

DOUGLAS COUNTY

SAFE ROUTES TO SCHOOL

SCALE IN FEET

0 40 80 160

PROPERTY AND EXISTING R/W LINE

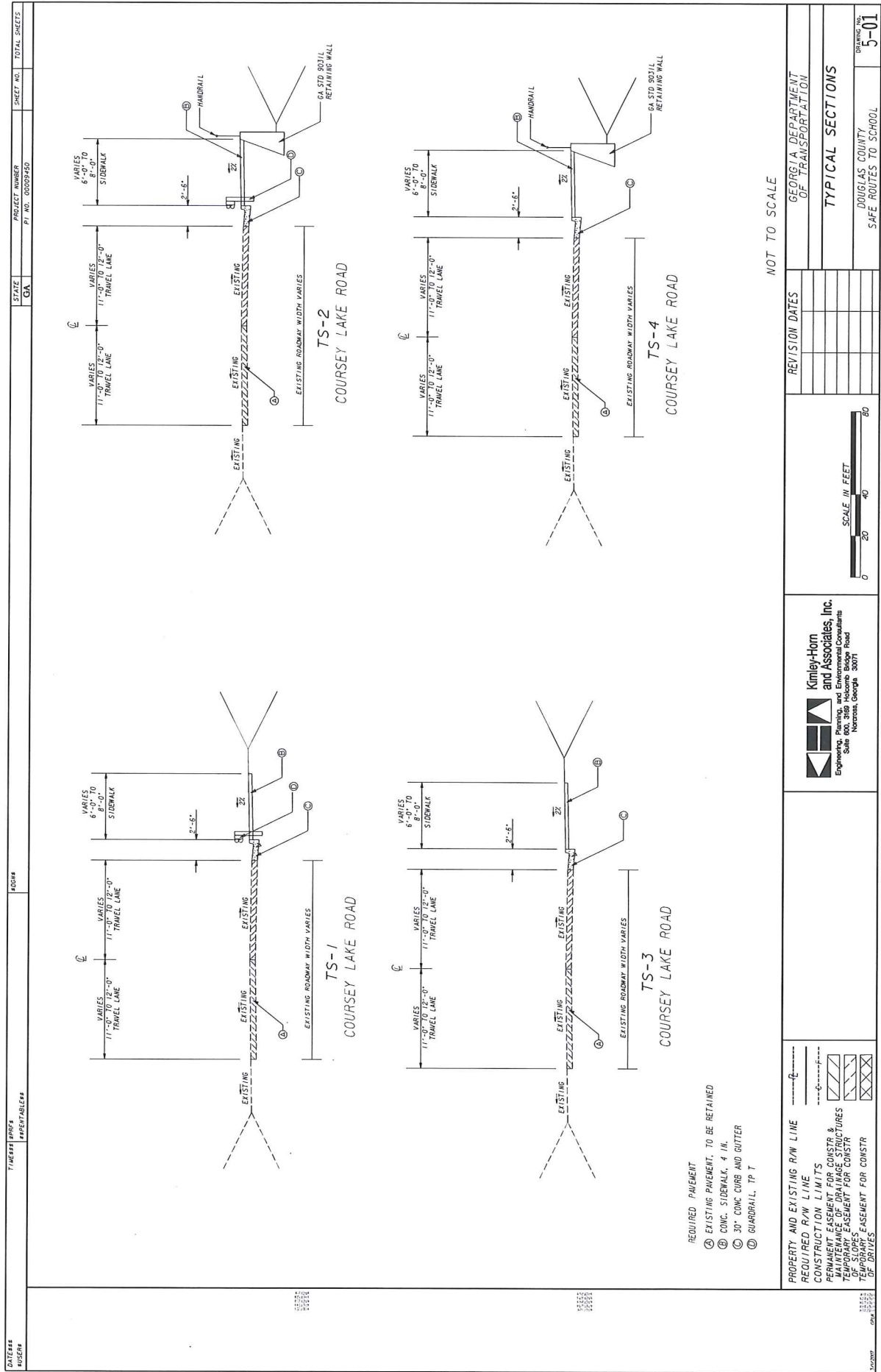
REQUIRED R/W LINE

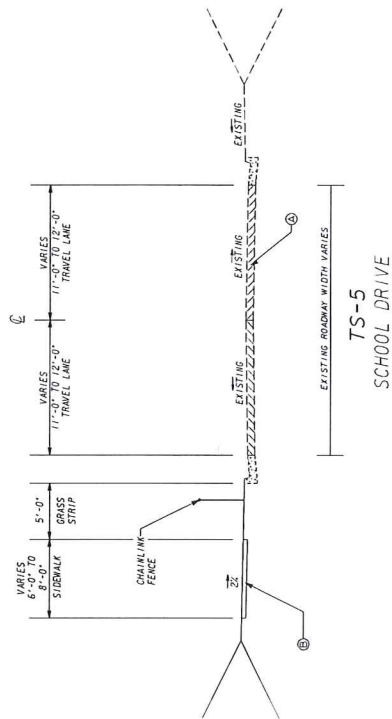
CONSTRUCTION LIMITS

PERMANENT EASEMENT FOR CONSTR. & MAINTENANCE OF DRAINAGE STRUCTURES

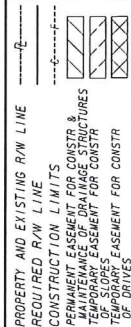
TEMPORARY EASEMENT FOR CONSTR. OF SLOPES

TEMPORARY EASEMENT FOR CONSTR. OF DROPPED CURBS





- REQUIRED PAVEMENT
- ② EXISTING PAVEMENT, TO BE RETAINED
 - ③ CONC. SIDEWALK, 4 IN.
 - ④ 30" CONC CURB AND GUTTER
 - ⑤ GUARDRAIL, TP T



NOT TO SCALE

 <p>Kimley-Horn and Associates, Inc. Engineering, Planning, and Environmental Consultants 300 Peachtree Street, NE Norcross, Georgia 30071</p>	REVISION DATES		GEORGIA DEPARTMENT OF TRANSPORTATION	
			TYPICAL SECTIONS	
		DOUGLAS COUNTY		DRAWING NO. 5-02
		SAFE ROUTES TO SCHOOL		

